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1944

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PUBLIC HEALTH STAFF.

Medical Officer of Health. J.H. Kitson, M.B., M.R.C.S., D.P.H.

Sanitary Inspector, & Surveyor. R. Huntington, M.R.S.I., M.S.I.A.

Additional Sanitary Inspector. L.J. Prosser, L.I.O.B., M.R.S.I., M.S.I.A.

Housing Surveyor's Assistant. Mr. A.F. Young.

Clerk. Miss I. Tudor.

In the absence of the Medical Officer of Health, Dr. J.H. Kitson, on service with His Majesty's Forces since March 2nd, 1945, I have pleasure in presenting the annual report of the Medical Officer of Health for 1944.

J. Menzies Cormack,

Medical Officer of Health.

(appointed 3/3/45 to act as temporary Medical Officer during absence of Dr. J.H. Kitson.)

STATISTICS. 1944.

(a) General Statistics:

Area of District.	61,560 acres.
Population (Registrar-General's estimate mid-1944).	22,990
No of inhabited houses December, (Rate Books).	6,482
Rateable Value.	£112,738.
Sum represented by penny rate.	£469.9.5½.

(b) Extracts from Vital Statistics.

	Tol.	M.	F.
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Legitimate.	458	255	203
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Birth Rate per 1,000
estimated resident
population mid-1944 - 21

Illegitimate.	33	13	20
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Rate per 1,000 total
(live & still births) 32

Legitimate.	13	5	8
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Illegitimate.	3	1	2
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Live Births--

Stillbirths--

Deaths. -	254	149	105	Death rate per 1,000 estimated average population - 11
				Death Rate. England & Wales. 11.6
				Birth Rate. England & Wales. 17.6

Deaths from Puerperal Causes. nil.

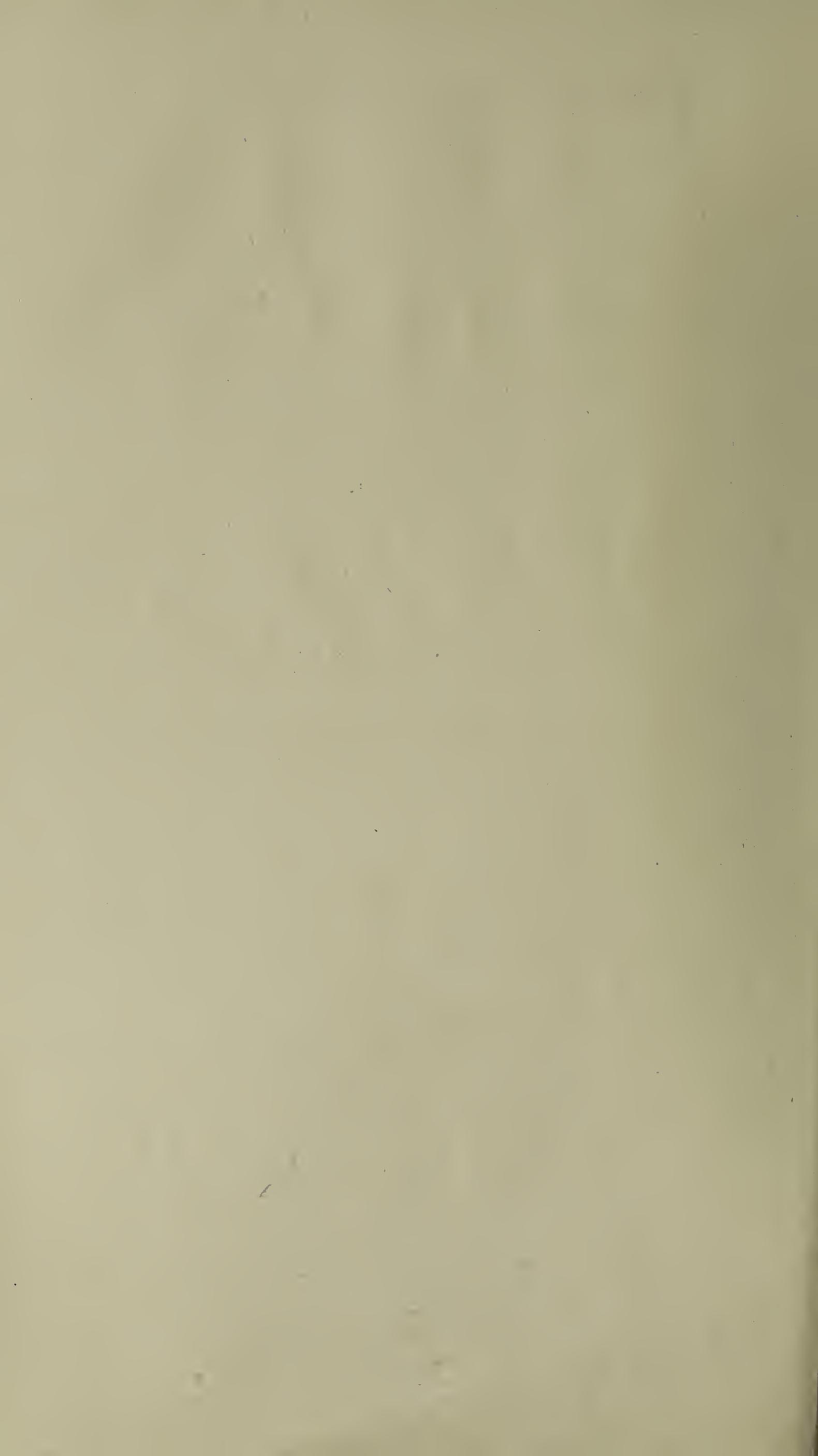
Deaths of infants under 1 year. 20

Deaths from Cancer (all ages) - 29

Deaths from Measles. (all ages). nil

Deaths from Whooping Cough (all ages) nil

Deaths from Diarrhoea (under 2 years) 1



INFECTIOUS DISEASES IN PARISIES.

	S.F.	Encephalitis.	Pneumonia.	Dysentery.	Diph.	Polio	Ant	Puerperal
						myelitis.	myelitis.	Pyrexia
Wington.	2	-	-	-	-	-	-	-
Mondsbury.	18	-	2	12	-	3	-	1
ist.	-	-	-	-	-	-	-	-
Weston.	1	-	1	-	-	-	-	-
arkley.	9	5	10	-	-	-	-	1
arfield.	1	-	1	-	-	1	-	-
orhall.	7	-	-	-	-	-	-	-
m. S. Stone.	-	-	-	-	-	-	-	-
mfallow.	-	-	-	-	-	-	-	-
lfield.	-	-	1	-	-	-	-	-
nton.	5	-	4	-	-	1	1	-
dney.	2	2	-	-	-	-	-	-
wick.	-	-	-	-	-	-	-	-
orlwick.	5	1	7	1	-	-	-	1
ockhampton.	-	-	-	-	-	-	-	-
ngworth.	-	-	-	-	-	-	-	-
utworth.	-	-	-	-	-	-	-	-
thurington.	-	1	-	-	-	-	-	-
ombury.	2	2	7	-	-	-	-	2
TOTAL.	49	9	35	13	5	1	-	5

	Optic neuritis.	Meningitis.	Neonatorium.	Measles.	Whooping cough.	Malaria
Wington.	-	-	-	1	-	-
Mondsbury.	-	1	-	6	11	-
ist.	-	-	-	-	-	-
Weston.	-	-	-	-	8	-
arkley.	-	-	-	-	1	-
arfield.	1	-	-	1	4	-
orhall.	-	-	-	-	-	-
m. S. Stone.	-	-	-	-	1	-
mfallow.	-	-	-	-	-	-
lfield.	-	-	-	-	2	-
nton.	-	-	-	5	1	-
dney.	-	-	1	-	14	-
wick.	-	-	-	-	-	-
ockhampton.	1	-	-	-	11	1
ngworth.	-	-	-	-	-	-
utworth.	-	-	-	-	-	-
thurington.	-	-	-	-	-	-
ombury.	1	-	-	-	42	-
TOTAL.	5	4	14	115	1	-

TUBERCULOSIS.

Age Periods.	New Cases.				Deaths.			
	Non Respiratory.		Respiratory.		Non Respiratory.		Respiratory.	
	M.	F.	M.	F.	M.	F.	M.	F.
0.	-	-	-	-	-	-	-	-
1.	-	-	1	-	-	-	-	-
2,3,4,5.	-	-	2	2	-	-	-	-
6 - 10.	-	-	-	-	1	-	-	-
11 - 15.	-	-	1	1	-	-	-	1
16 - 20.	3	7	-	1	1	-	-	-
21 - 25.	1	3	-	-	1	1	-	-
26 - 35.	5	2	-	-	-	3	-	-
36 - 45.	3	1	2	-	2	2	-	-
46 - 55.	3	1	1	-	3	-	1	-
56 up.	2	-	-	-	1	-	-	-
Totals:	17	14	7	4	9	6	1	1

SCHOOL ORDER, 1941.

Arrangements have been completed with the Bristol City Council for persons suffering from verminous conditions to be treated at the Bristol Clinic. The cost is 5/- per treatment. Arrangements have also been completed with the Bodbury Rural District Council, whereby children suffering from verminous conditions, requiring an indoor treatment can be admitted to the Bodbury Sick Bay for treatment.

These arrangements have been found entirely satisfactory in practice.

WATER.

	<u>Approx.</u>	<u>Unmetered supplies</u>
	<u>Total Houses.</u>	<u>31st December, 1944</u>
Almondsbury.	2,000	1,542
Alveston.	384	269
Cromhall.	177	75
Fulfield.	117	1
Olveston.	367	193
Redwick & Northwick.	448	358
Thornbury.	711	503
Tytherington.	146	95
	<u>4,380</u>	<u>3,016</u>

The water undertaker for the majority of the area is the West Gloucestershire Water Company. This is a private company.

The water supplied by the company has been satisfactory both in quality and quantity, and copies of analysis, chemical and bacteriological, follow.

No action has been necessary regarding any contamination.

There are however, many parts of the district which are not yet supplied with water.

The water supply is unsatisfactory in quantity in the northern part of the District, (Berkeley, Hinton, Hamfallow, Fulfield, Alkington, Chipping and Stone) and at Aust, Alerton, and Littleton in the south. Extensions to existing water mains are also required at Alveston, Tockington, Olveston, Thornbury and Milbury Heath.

A scheme is being prepared to improve the water supply of the Northern part of the district. The Gloucester City Corporation has agreed to provide a piped water supply to the parishes of Alkington, Berkeley, Ham & Stone, Hamfallow and Hinton, and the West Gloucestershire Water Company has agreed to transfer their rights of supply to the City Corporation.

25 samples were taken and submitted to bacteriological examination. These were obtained from 22 sources. All were reported as unsatisfactory.

A scheme has also been approved for the extension of mains at Compton Greenfield.

COPY.

A.

WEST GLOUCESTER WATER COMPANY.
KINGSWOOD, BRISTOL.

9.

S.S.80.

Analysis of sample of Frampton output water taken on 1st Jan. 1945.

The Counties Public Health Laboratories.

Appearance: Clear and bright.

Colour: Normal. Odour: Nil.

Reaction, pH Neutral 7.5 Acidity as CO₂ 1.3Electric conductivity at 20°C 650 Alkalinity as Ca CO₃ 29.0Results expressed in parts per 100,000.

Ca	Mg.	Na.	CO ₃	SO ₄	Cl.	NO ₃	SiO ₂	Probable Combinations.
6.22.1	(6.9)	17.4	6.3	2.6	0.00	1.2		
6.2		9.3						Calcium carbonate 15.5
2.1		5.2						Magnesium carbonate 7.3
	2.2	2.9						Sodium carbonate 5.1
	3.0	6.3						Sodium sulphate 9.3
	1.7			2.6				Sodium chloride 4.3
					1.2			Silica 1.2
								Difference 0.8
Total solid constituents dried at 180°C.								43.5

Hardness-Total 24.5 Temporary 24.5 Permanent 0.0

Free Ammonia 0.0044 = Ammoniacal Nitrogen 0.0036

Albuminoid Ammonia 0.0000 = Albuminoid Nitrogen 0.0000

Oxygen absorbed in 4 hours at 80°F 0.015

Nitrogen in Nitrates 0.00 Nitrogen in nitrites: absent

Metals: absent

NOTE: To convert the above parts per 100,000 into grains per gallon multiply by 0.7

'Free chlorine reaction': 0.15 part per million.

BACTERIOLOGICAL RESULTS.

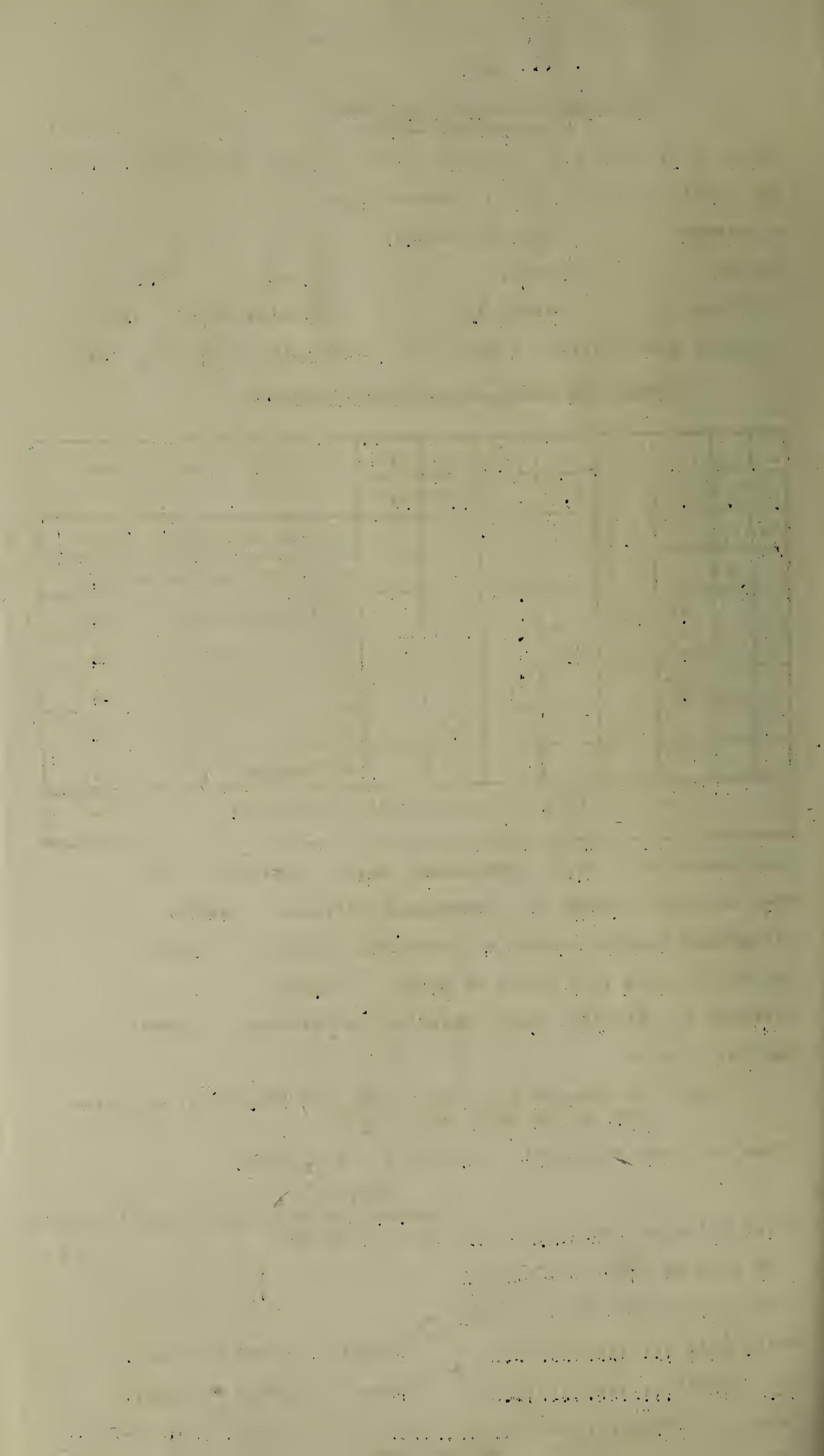
Bacteriological sample dechlorinated on collection.

On Agar at 37°C in :	1 day.	1
	2 days	1
On Agar at 20°C in :	3 days	4

Bact. Coli Present - Absent 100 c.c.

Cl. welchii... Present - Absent 100 c.c.

Signed Charles W. Martin, F.R.I.C. Gordon Miles, B.Sc., F.R.I.C.



B.

COPY.

THE WEST GLOUCESTERSHIRE WATER COMPANY,
KINGSWOOD, BRISTOL.

10.

Analysis of sample of California output water taken on 1st Jan., 1945.

The Counties Public Health Laboratories.

Appearance: Clear and bright.

Colour: Normal. Odour: Nil.

Reaction, pH. Neutral. 7.5 Acidity as CO₂ 1.5

Electric conductivity at 20°C 870.

Alkalinity as Ca CO₃ 32.5

Results expressed in parts per 100,000.

Ca.	Mg.	Na.	CO ₃	SO ₄	CL.	NO ₃	SiO ₂	Probable combinations.
6.8	1.4	(14.0)	19.5	11.2	6.0	0.8	0.8	
6.8			10.2					Calcium carbonate 17.0
	1.4		3.5					Magnesium carbonate 4.9
		4.4	5.8					Sodium carbonate 10.2
		5.4	11.2					Sodium sulphate 16.6
		3.9		6.0				Sodium chloride 9.9
		0.3			0.8			Sodium nitrate 1.1
						0.8	Silica	0.8
							Difference	0.5
Total solid constituents dried at 180°C.								61.0

Hardness-Total 22.5 Temporary 22.5 Permanent C.O

Free Ammonia 0.0032 = Ammoniacal Nitrogen 0.0026

Albuminoid Ammonia 0.0000 = Albuminoid Nitrogen 0.0000

Oxygen absorbed in 4 hours at 80°F 0.020

Nitrogen in Nitrates 0.18 Nitrogen in nitrates absent.

Metals: Iron: 0.007 Other metals absent.

NOTE: To convert the above parts per 100,000 into grains per gallon multiply by 0.7

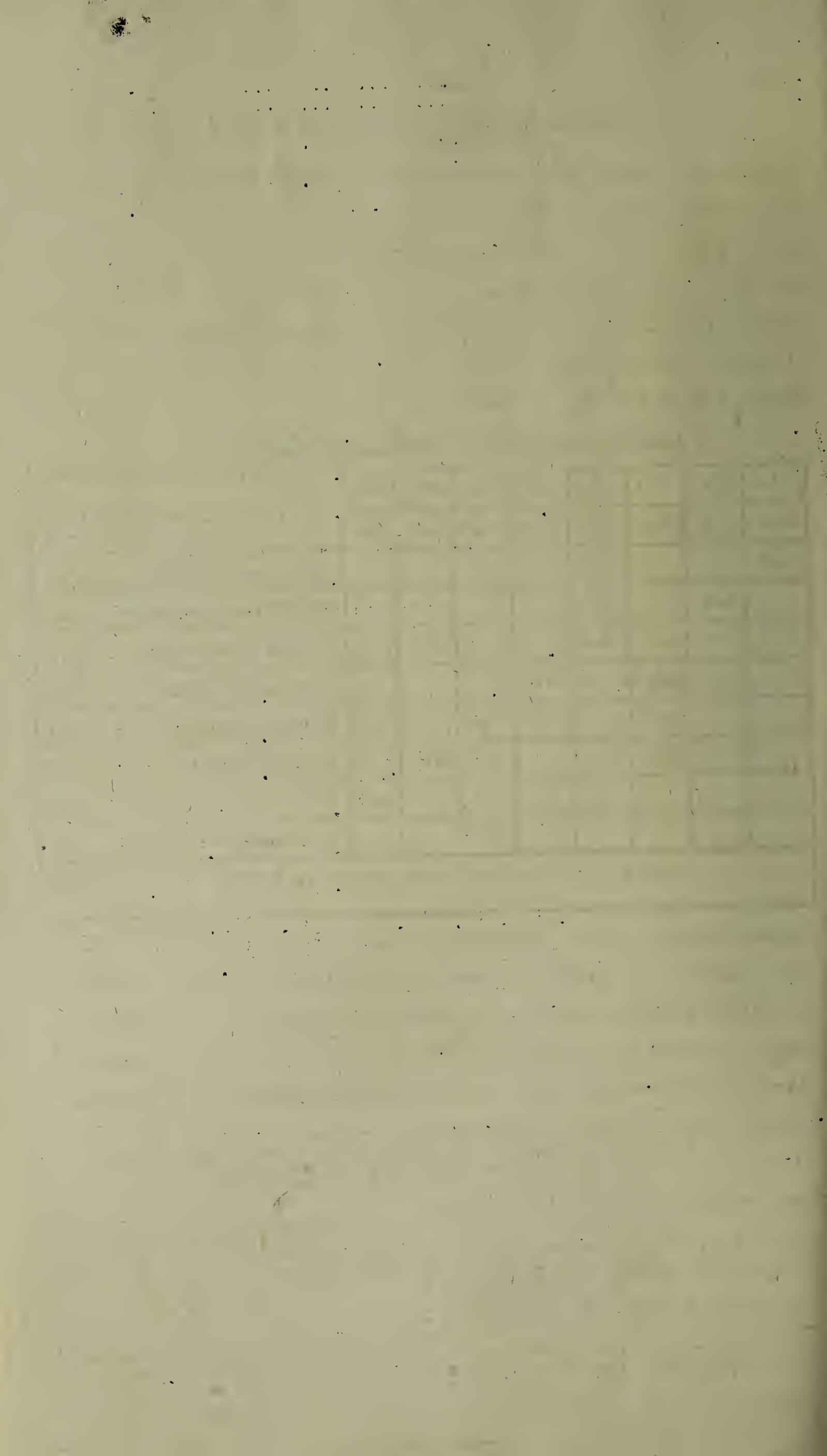
'Free chlorine reaction': absent.

BACTERIOLOGICAL RESULTS.

No. of Colonies per c.c. or ml. Bacteriological sample dechlorinated
On Agar at 37°C. in : 1 day. on collection. 0.
2 days. 0.
On Agar at 37°C. in : 3 days. 0.

Bact. Coli. Present - Absent 100 c.c.
Cl. welchii Present - Absent 100 c.c.

(Signed) Charles W. Martin, F.R.I.C. Gordon Miles, B.Sc. F.R.I.C.



THE WEST GLOUCESTERSHIRE WATER COMPANY,
KINGSWOOD, BRISTOL.

Analysis of sample of Shipton Moyne output water taken on 1st Jan., 1945.

The Counties Public Health Laboratories.

Appearance: Bright - very slight deposit of iron oxide.

Turbidity: Less than 5 parts per million, silica scale.

Colour: Normal. Odour: Nil.

Reaction, pH. Neutral. 7.4 Acidity as CO_2 1.4

Electric conductivity at 20°C 600

Alkalinity as Ca CO_3 24.5

Results expressed in parts per 100,000.

Ca.	Mg.	Na.	CO_3	SO_4	Cl.	NO_3	SiO_2	Probable Combinations.
7.2	1.1	(6.0)	14.7	4.4	4.6	0.00	1.0	
7.2			10.8					Calcium carbonate 18.0
	1.1		2.7					Magnesium carbonate 3.8
		0.9	1.2					Sodium carbonate 2.1
		2.1	4.4					Sodium sulphate 6.5
		3.0		4.6				Sodium chloride 7.6
						1.0	Silica	1.0
							Difference	1.0
Total solid constituents dried at 180°C .								40.0

Hardness-Total: 23.0 Temporary: 22.5 Permanent: 0.5

Free Ammonia: 0.0084 = Ammoniacal Nitrogen: 0.0069

Albuminoid Ammonia 0.0000 = Albuminoid Nitrogen: 0.0000

Oxygen absorbed in 4 hours at 80°F . 0.005

Nitrogen in Nitrates: 0.00 Nitrogen in nitrites Less than 0.001

Metals: Iron: Total: 0.055 In solution: 0.007 Other metals absent.

NOTE: To convert the above parts per 100,000 into grains per gallon, multiply by 0.7

'Free chlorine reaction': 0.07 parts per million.

BACTERIOLOGICAL RESULTS.

No. of Colonies per c.c. or ml.

On Agar at 37°C . in : 1 day. 1

2 days. 1

On Agar at 20°C . in : 3 days. 5

Bact. Coli Present - Absent 100 c.c.
 Cl. welchii Present - Absent 100 c.c.

(Signed) Charles W. Martin F.R.I.C. Gordon Miles B.Sc., F.R.I.C.

D.

COPY.

THE WEST GLOUCESTERSHIRE WATER COMPANY,
KINGSWOOD, BRISTOL.

8.

23.8.45.

ANALYSIS) 1944.

Bacteriological samples of output water examined during 1944.

	B.Coli	
	Absent	Present
	<u>in 100 m/l</u>	
Shipton Moyne Pumping Station	27.	-
Frampton Cotterell	23	-
California.	3	-
Total Company's sources	53	-
Consumer's taps	18	5
Reservoirs	3	-
Total samples examined.	74	5

The five samples showing contamination were derived from the only uncovered reservoir at Cross Hands, Old Sodbury. This reservoir will be covered when circumstances permit: meanwhile the water is re-chlorinated when contamination is suspected.

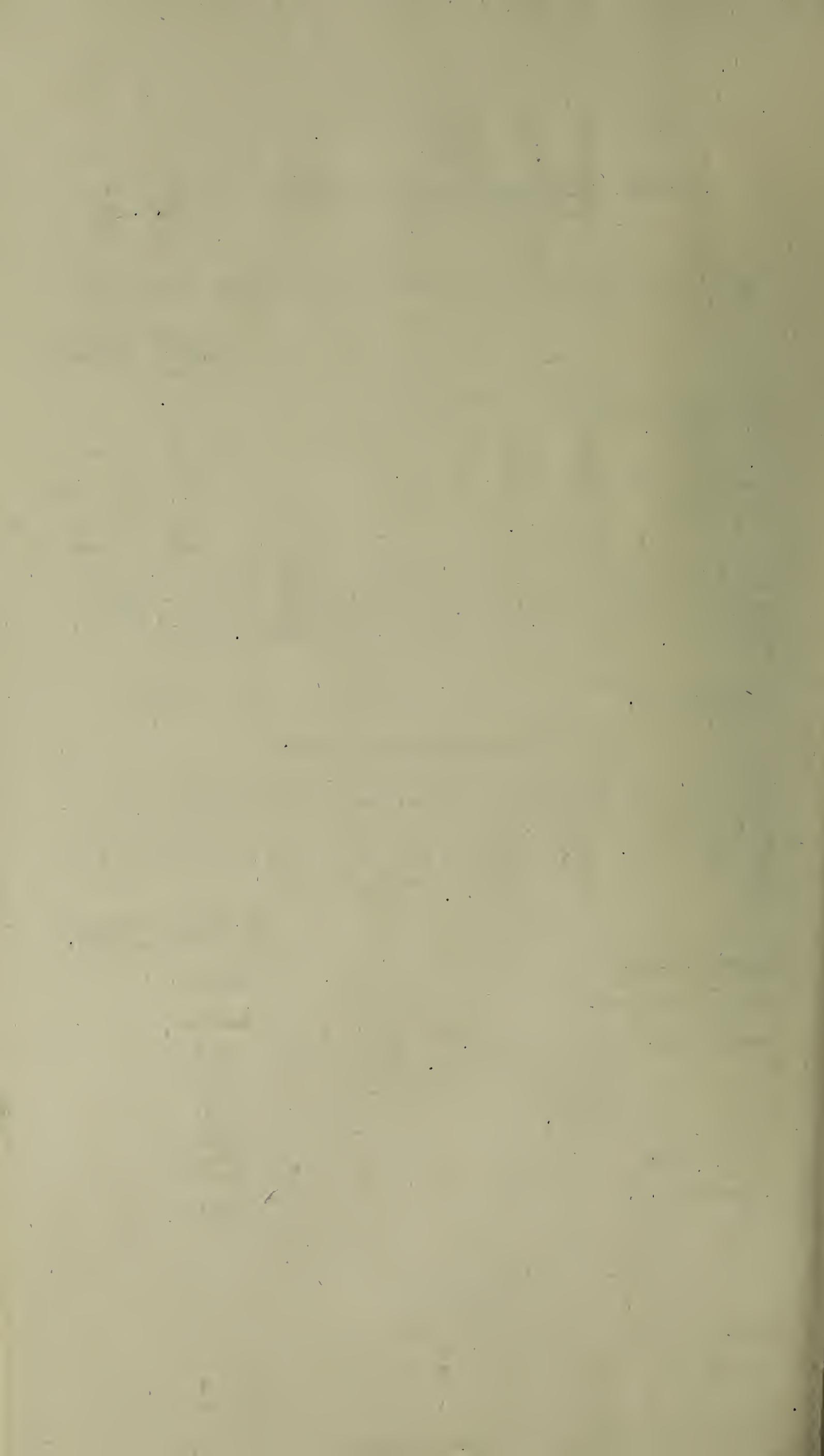
Copies of Chemical analysis from above sources are enclosed.

Dwelling houses supplied.

The numbers of dwelling houses supplied from the Company's mains on 31st December, 1944, are given below: the only properties obtaining a supply from the Company by means of a public standpost are a group of 16 houses at Olveston, in Thornbury R.D. The number of houses drawing from outside taps on the premises is not recorded, but probably does not exceed 1%.

Unmetered supplies
31st December, 1944.

Kingswood U.D.	4,877.
Mangotsfield U.D.	4,697.
Warmley R.D.	
Bitton Parish.	751
Hanham Abbots do.	427
Mangotsfield Rural do.	170
Oldland.	544
Siston.	429
Sodbury R.D.	2,321.
Thornbury R.D.	7,301.
	3,016



SUMMARY OF SANITARY INSPECTOR'S VISITS AND NOTICES SERVED
DURING THE YEAR.

General Sanitation.

Number of Visits
or Inspections.

Water supply.	59
Drainage.	146
Stables and Piggeries.	1
Tents, Vans and Sheds.	11
Factories.	1
Workshops.	10
Workplaces.	1
Outworkers.	1
Bakehouses.	28
Public Conveniences.	95
Refuse Collection.	36
Salvage Collection (Book Drive)	6
Refuse Disposal.	57
Rats and Mice.	13
Schools.	5
Shops.	2
Miscellaneous Sanitary Visits.	315
Disinfestation of Bugs, etc.	38
Council House Repairs.	300
A.R.P. and Air Raid Shelters.	185
Town Planning Meetings, etc.	10
Sewage Disposal.	132

Housing.

Under Public Health Acts.	69
War Damaged Property.	1,282
Miscellaneous Visits.	2
New Buildings.	71
Agricultural Houses.	34

Infectious Diseases.

Inquiries in cases of I.D.	43
Visits re disinfection.	48
Miscellaneous I.D. Visits.	3

Inspection of Meat.

Visits to Slaughterhouse.	254
Visits to shops and stalls.	19
Visits to other premises.	1

Visits to:-

Butchers.	17
Grocers.	17
Cowsheds.	251
Dairies & Milkshops.	7

Visits in connection with sampling.

Milk.	48
Miscellaneous Food Visits.	13

Totals. 3,631

Sanitary Inspection of the area.

(a) Inspections made....	3,631.
(b) Nuisances discovered or reported " " " (Swine only)	177
(c) Complaints received....	72
(d) Informal or Preliminary Notices sent.	27
(e) Statutory Notices sent ...	4

{f)	Nuisances abated during the year ...	175
{g)	Summons issued	3
{h)	Convictions obtained.	5

SANITARY CIRCUMSTANCES OF THE YEAR.

During the year, a large part of the staff's time was again employed in work directly attributable to the war activities.

WAR DAMAGED PROPERTY.

There was a reduced number of raids. With the exception of one raid on May 14th - 15th, when 120 properties were affected. The raids were not serious.

The repair of war Damaged property was the responsibility of the Public Health Dept. First aid repairs were executed promptly by the employment of local builders and where necessary, complete reinstatement was made soon after. The total number of properties affected by war Damage is now 584.

PUBLIC CLEANSING.

The collection and disposal of Refuse and Salvage continued throughout the year. The number of Tips in regular use have been reduced to two.

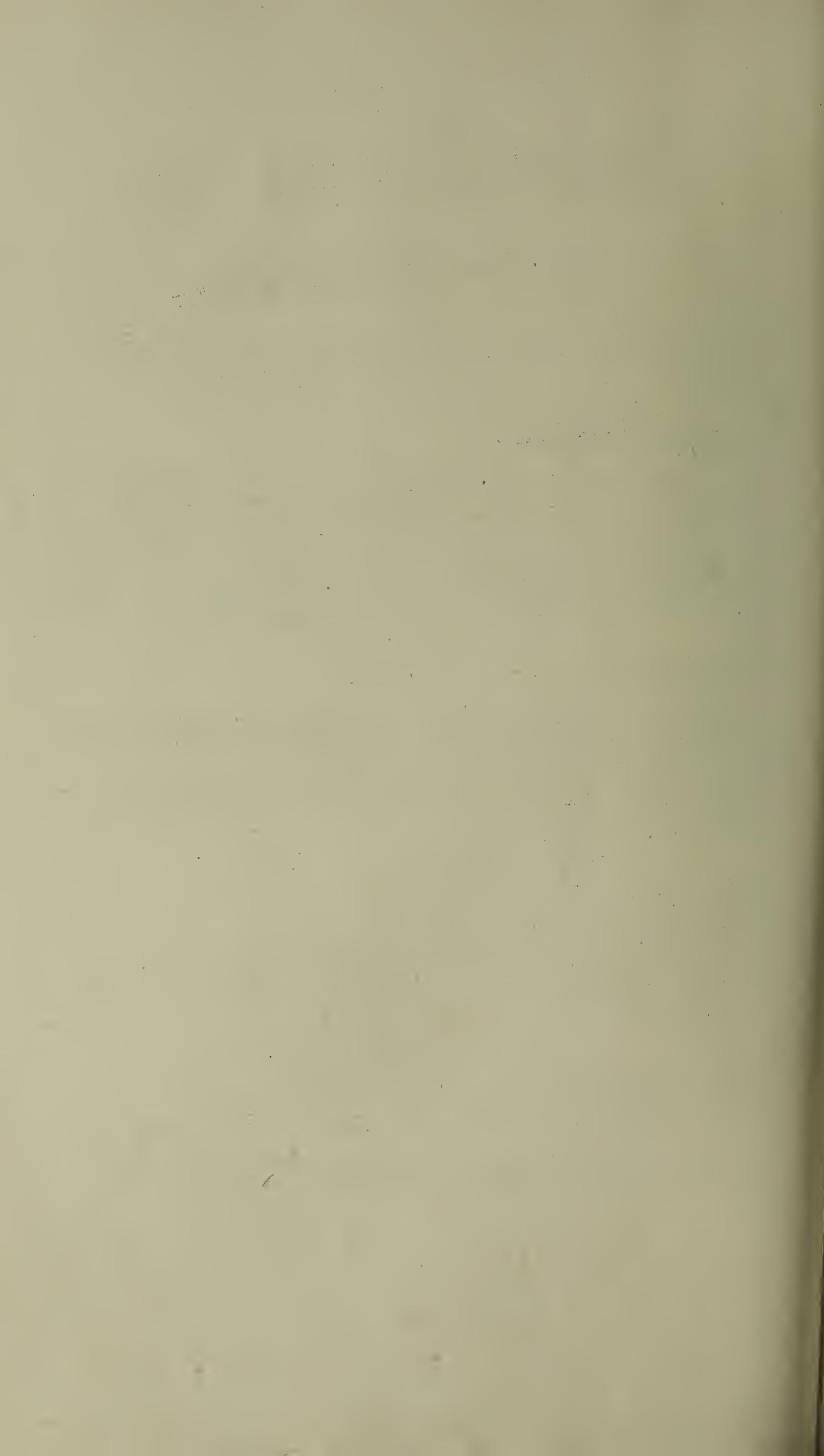
The total value of salvage collected during the 5 years since the scheme was inaugurated, amounted to £5,800 up to 31/3/45. The value of salvage disposed of during the year amounted to £1,123.

DRAINAGE AND SEWERAGE.

- Particulars of Parishes where there is need of:-
- 1) A sewerage system:- Charlfield, Hinton, and Tockington.
 - 2) Improvements in existing sewerage:- Almondsbury, Berkley, and Olveston.

RIVERS AND STREAMS.

Any action to check the pollution of rivers and streams:-
The periodical inspection of all temporary disposal works and the sampling of effluent.



Shops and Offices.

Shops and Offices in register...	...	...	...	81
Number inspected	...	...	...	20
Number of inspections	...	...	...	60

No action was taken during the year under the provisions of the Shop Act, 1934, or under the Public Health Act, 1936.

Camping Sites.

(a) Number of sites used for camping during the year.	...	...	...	11
(b) Number of camping sites in respect of which licences have been issued under Section 269 of the Public Health Act, 1936.	...	...	...	30
(c) Estimated maximum number of campers resident in the area at one time during summer Seasons.	...	...	...	300

Smoke Abatement.

Observations made	...	...	...	-
Complaints received	...	...	...	-

Swimming Baths and Pools. As in 1939

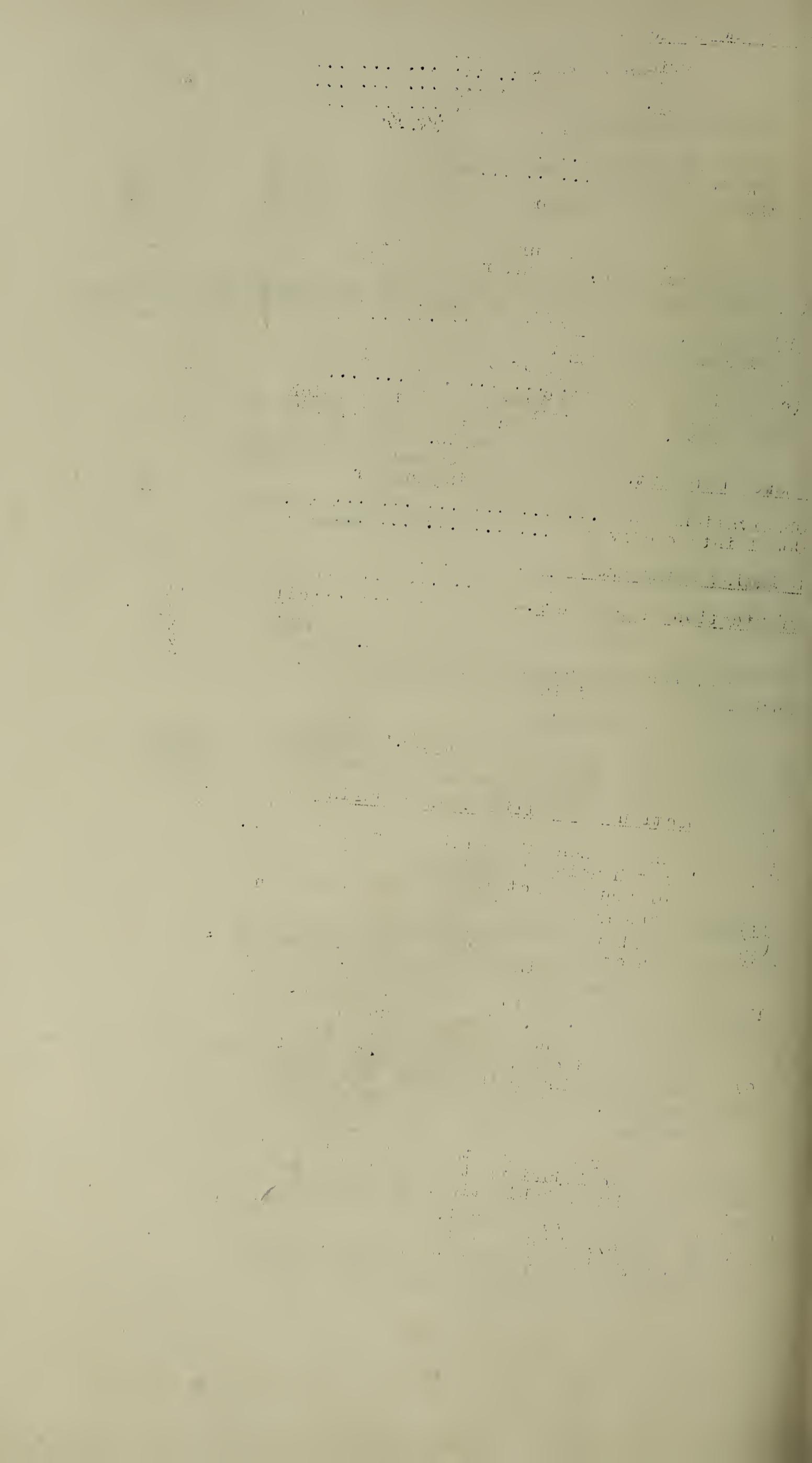
Eradication of Bed Bugs.

	<u>Council Houses.</u>	<u>Other Houses.</u>
Number of houses found to be infested.	-	3
Number of houses disinfested.	-	3

HOUSING.

1. Inspection of Dwelling Houses during the Year.

(a) (1) Inspection of dwelling houses inspected for housing defects (under Public Health or Housing Acts).	25
(b) (1) Number of Inspections made for this purpose.	71
(b) (1) Number of houses included under above which were inspected under the Housing Consolidated Regulations 1925 & 1934	3
(b) (1) Number of inspections made for this purpose.	12
(c) Number of houses found to be in a state so dangerous or injurious to health, as to be unfit for human habitation.	2
(d) Number of houses, exclusive of those referred to under (c), found not to be in all respect reasonably fit for human habitation.	23



2. Remedy of Defects during the year without service of formal Notice.

Number of defective houses rendered fit in consequence of informal action... 22

3. Action under Statutory Powers during the year,

(a) Proceedings under Housing Act, 1936. ... 3

4. All New Houses.

(1) Total New Houses erected during the year.
(Council and private enterprise) ... 4

(2) New houses erected during the year with State assistance under Housing Acts. 4

(3) New Houses erected during the year (without subsidy) -

(4) New houses during the year proposed to be erected under Housing Acts but not yet built. -

INSPECTION AND SUPERVISION OF FOOD.

(a) Milk Supply.

Number of Dairies and Cowsheds inspected. 113

Number of inspections... 258

Number of Milk Samples taken. 89

The result of action taken may be summarised as follows:-

{a} Cowsheds, yards and Dairies improved. 10
{b} Cowsheds improved... 10
{c} Dairies reconstructed 7
{d} New and improved yards 1

(b) Meat and other Foods.

Carcasses Inspected and Condemned.

Cattle (excl. cows)	Cows.	Calves.	Sheep & Lambs.	Pigs.
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Number killed.	4	not known.
Number inspected.	4	2,390

Carcasses condemned.

	Cattle (excl. cows.)	Cows.	Calves.	Sheep & Lambs.	Pigs.
All disease except Tuberculosis:-					
Whole carcasses condemned.	-	-	-	1	1
Part of carcasses of which some part of the organ was condemned.	-	-	-	3	23
Percentage of the number of carcasses inspected affected with diseases <u>other than</u> tuberculosis.	-	-	-	100%	100%

TUBERCULOSIS ONLY.

Whole carcass condemned.	-	-	-	-	21
Carcasses of which some part of organ was condemned.	-	-	-	-	343
Number of carcasses inspected affected with Tuberculosis.	-	-	-	-	15.24%

Condemned Foods Register.

During the year the following weight of food was inspected and condemned:-

lbs.

Meat (Pigs only) Tuberculosis.	9,906
Meat (Other diseases)	1,231
Tins and jars various foods.(approx. weight)	396
Other foods...	1,190
Total:	<u>12,723</u> lbs.

